

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number  
**WO 2005/033097 A1**

(51) International Patent Classification<sup>7</sup>: **C07D 401/14**

Woochang Apt. 3-404, Okeum-dong, Songpa-gu, Seoul  
138-130 (KR).

(21) International Application Number:  
PCT/KR2004/002550

(74) Agents: JANG, Seongku et al.; 19th Fl., KEC Building,  
#275-7, Yangjae-dong, Seocho-ku, Seoul 137-130 (KR).

(22) International Filing Date: 6 October 2004 (06.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10-2003-0069582 7 October 2003 (07.10.2003) KR

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): HANMI PHARM. CO., LTD. [KR/KR]; #893-5, Hajeo-ri, Paltan-myeon, Hwaseong-gun, Kyungki-do 445-910 (KR).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BANG, Keuk Chan [KR/KR]; Mansujugong Apt. 1104-1203, Mansu-2-dong, Namdong-gu, Incheon 405-744 (KR). CHA, Mi Young [KR/KR]; Cheongsolmaeul Halla Apt. 306-1102, Keumgok-dong, Bundang-gu, Seongnam-si, Kyungki-do 463-725 (KR). AHN, Young Gil [KR/KR]; Sangrokmaeul Life Apt. 203-1205, Jeongja-dong, Bundang-gu, Seongnam-si, Kyungki-do 463-010 (KR). HAM, Young Jin [KR/KR]; Samho Apt. 102-801, Sangdo-5-dong, Dongjak-gu, Seoul 156-782 (KR). KIM, Maeng Sup [KR/KR]; Jugong Apt. 301-203, Dunchon-dong, Kangdong-gu, Seoul 134-060 (KR). LEE, Gwan Sun [KR/KR];

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: P-GLYCOPROTEIN INHIBITOR, METHOD FOR PREPARING THE SAME AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME

(57) Abstract: The bioavailability of an anticancer agent is enhanced when the anticancer agent is administered together with a pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable salt thereof.

WO 2005/033097 A1